

**ABSTRACT OF THE DISCLOSURE**

A technique for receiving differential multi-PAM signals is disclosed. In one particular exemplary embodiment, the technique may be realized as a differential multi-PAM extractor circuit. In this particular exemplary embodiment, the differential multi-PAM extractor circuit comprises an upper LSB sampler circuit configured to receive a differential multi-PAM input signal and a first differential reference signal, and to generate a first differential sampled output signal. The differential multi-PAM extractor circuit also comprises a lower LSB sampler circuit configured to receive the differential multi-PAM input signal and a second differential reference signal, and to generate a second differential sampled output signal. The differential multi-PAM extractor circuit further comprises a combiner circuit configured to receive the first differential sampled output signal and the second differential sampled output signal, and to generate a differential LSB output signal indicating an LSB value of the differential multi-PAM input signal.